

# MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard, Suite 605 • Baltimore Maryland 21230-1719

(410) 537-3315 • 1-800-633-6101 • [http:// www. mde. state. md. us](http://www.mde.state.md.us)

## SOLID WASTE MANAGEMENT INSPECTION FORM – LANDFILL OPERATIONS

### GENERAL INFORMATION

Site Name: **Site B Municipal Landfill (LF) Vertical Expansion**

Date: Mon. 10/31/11 Time In: 10:20 AM Time Out: 2:32 PM

Location: 9031 Reichs Ford Road

County: Frederick

Permit # 2003-WMF-0582

Permittee: The Commissioners of Frederick County

Field Conditions: Wet, muddy

Weather: ~40°, clear, occ. wind to N and NE

### LANDFILL OPERATIONS

- |  | Y        | N/A      | N |
|--|----------|----------|---|
| 1. A statement of days and hours of operation is posted at the facility entrance.  | <u>X</u> |          |   |
| 2. A sign at the gate notifies passersby to call MDE if the red light alarm from leachate collection system is turned on.                            |          | <u>X</u> |   |
| 3. Solid waste unloading is restricted to the working face, or other areas as approved (e.g., household dropoff areas).                              | <u>X</u> |          |   |
| 4. If required, a third-party waste checker is present.  |          | <u>X</u> |   |
| 5. If household dropoff area or other approved alternative acceptance area is in place, it is used and maintained in accordance with approved plans. | <u>X</u> |          |   |
| 6. The current operating cell is: <u>#3 and #2</u>   |          |          |   |
| 7. Bulk liquids are not accepted.  | <u>X</u> |          |   |
| 8. Containerized liquids, except for household wastes, are not accepted.   | <u>X</u> |          |   |
| 9. If needed, wastes are tested for free liquids using the EPA paint filter method.  | <u>X</u> |          |   |
| 10. If sewage sludge is used, handled, stored, or disposed of, it is done in accordance with a separate sewage sludge permit.                        | <u>X</u> |          |   |
| 11. Tires are excluded from burial.  | <u>X</u> |          |   |
| 12. If applicable, tires are handled in accordance with scrap tire regulations and license.  | <u>X</u> |          |   |
| 13. Special handling requirements for friable asbestos are complied with.  | <u>X</u> |          |   |
| 14. Loads of separately collected yard waste are not accepted unless for composting or mulching.   | <u>X</u> |          |   |
| 15. If natural wood waste is being recycled:   |          |          |   |
| a. Operation is conducted in accordance with the O&M manual or other approved plans.   | <u>X</u> |          |   |
| b. Applicable requirements of COMAR 26.04.09 (NWW Recycling) are complied with. (NWW conditions of the permit are complied with.)                    |          |          |   |
| 16. If white goods or refrigerators are accepted, refrigerants are properly removed prior to burial.   | <u>X</u> |          |   |
| 17. Wastes prohibited by permit are not accepted.  | <u>X</u> |          |   |
| 18. Waste is spread in uniform layers.   | <u>X</u> |          |   |
| 19. Waste is compacted to smallest practicable volume.   | <u>X</u> |          |   |
| 20. Lifts do not exceed 8 feet in height, unless otherwise authorized.   | <u>X</u> |          |   |

(See other checklist and Report of Observations also)

### LANDFILL OPERATIONS

- |   | Y        | N/A      | N        |
|---|----------|----------|----------|
| 21. Daily or periodic cover:  |          |          |          |
| a. Is applied within the required time period.  | <u>X</u> |          |          |
| b. Is at least 6 inches thick, if earth is used, or   | <u>X</u> |          |          |
| c. Is an approved ADCM or operational variant used in accordance with approved plans. (See comments)                              | <u>X</u> |          |          |
| d. Covers wastes adequately to control vectors, fires, odors, blowing litter, and scavenging.                                     | <u>X</u> |          |          |
| e. Does not contain free liquids or putrescibles, create a dust or odor problem, attract or harbor vectors, or impede compaction. | <u>X</u> |          |          |
| 22. Disease vectors are prevented or controlled.  | <u>X</u> |          |          |
| 23. Grading and drainage:   |          |          |          |
| a. Minimizes runoff onto fill area.   | <u>X</u> |          |          |
| b. Prevents ponding and erosion in fill area.   | <u>X</u> |          |          |
| c. Drains water from surface of landfill.   | <u>X</u> |          |          |
| 24. Intermediate cover:   |          |          |          |
| a. Is applied within 1 month of lift completion.  | <u>X</u> |          |          |
| b. Is at least 1 foot thick, if earth is used, or   | <u>X</u> |          |          |
| c. Is an approved operational variant used in accordance with approved plans.   |          | <u>X</u> |          |
| d. Covers wastes completely.  | <u>X</u> |          |          |
| 25. Final cover:  |          |          |          |
| a. Is applied within 90 days of area completion.  | <u>X</u> |          |          |
| b. Is at least 2 feet thick.  | <u>X</u> |          |          |
| c. Is clean earth.  | <u>X</u> |          |          |
| d. Covers wastes completely.  | <u>X</u> |          |          |
| 26. Slopes and other areas are stabilized adequately.   | <u>X</u> |          |          |
| 27. Sediment and erosion are controlled adequately.   | <u>X</u> |          |          |
| 28. Run-on and run-off controls required by 40 CFR Part 258.26 are in place.  | <u>X</u> |          |          |
| 29. Leachate outbreaks are prevented. (See comments)  |          |          | <u>X</u> |
| 30. If not, leachate outbreaks are controlled.  | <u>X</u> |          |          |
| 31. Leachate is collected, stored, treated, and disposed of in accordance with approved plans.                                    | <u>X</u> |          |          |
| 32. Leachate is not discharged, recirculated, or treated on site without prior approval from MDE.                                 | <u>X</u> |          |          |
| 33. Scavenging or salvaging is not conducted, except as authorized in approved O&M manual.  |          | <u>X</u> |          |
| 34. Landfill gas and odors are controlled.  | <u>X</u> |          |          |
| 35. Unauthorized traffic and dumping are prevented by artificial or natural barriers.   | <u>X</u> |          |          |

Items corrected since previous inspection: \_\_\_\_\_

Compliance assistance items: \_\_\_\_\_

Items continuing in noncompliance: \_\_\_\_\_

### INSPECTOR

NAME James P. Wagner

TITLE Regional Inspector PHONE (410) 537-3315

SIGNATURE James P. Wagner

### PERMITTEE'S REPRESENTATIVE

NAME Phil Harris

TITLE Superintendent PHONE 301 600 1845

SIGNATURE Phil Harris

Form Number MDE/WAS/COM.011

Revision Date 11/7/03

TTY Users 1-800-735-2258



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## SOLID WASTE MANAGEMENT INSPECTION FORM – ALL SOLID WASTE ACCEPTANCE FACILITIES

THIS FORM CONTAINS CONDITIONS APPLICABLE TO ALL SOLID WASTE ACCEPTANCE FACILITIES.

IT SHOULD BE USED IN CONJUNCTION WITH ANOTHER INSPECTION FORM DESIGNED FOR THE SPECIFIC TYPE OF FACILITY BEING INSPECTED.

### GENERAL INFORMATION

Site Name: Site B Municipal Landfill (LF) Vertical Expansion

Date: Mon. 10/31/11 Time In: 10:20 PM Time Out: 2:32 PM

Location: 9031 Reichs Ford Road; Frederick 21704

County: Frederick

Permit # 2003-WMF-0582

Permittee: The Board of Frederick County Commissioners

Field Conditions: Wet, muddy

Weather: ~40°, clear, occ. wind to N and NE

#### STANDARD CONDITIONS

- |   | Y        | N/A      | N |
|---|----------|----------|---|
| 1. Facility is under direct supervision of a responsible person at all times.                     | <u>X</u> |          |   |
| 2. All incoming loads are inspected for unacceptable wastes.                                      | <u>X</u> |          |   |
| 3. Unacceptable wastes are removed and disposed of properly.                                      | <u>X</u> |          |   |
| 4. Personnel and equipment are adequate for proper construction or operation of the facility.     | <u>X</u> |          |   |
| 5. Essential equipment is repaired or replaced within 24 hours.                                   | <u>X</u> |          |   |
| 6. All-weather access roads are provided to disposal area and to any required monitoring devices. | <u>X</u> |          |   |
| 7. Tracking of soil, ash, or waste onto public roads is prevented.                                | <u>X</u> |          |   |
| 8. Vehicles are cleaned if needed to prevent tracking.  | <u>X</u> |          |   |
| 9. Public access to facility is controlled.   | <u>X</u> |          |   |
| 10. Gates are locked when facility is unattended.   | <u>X</u> |          |   |
| 11. Pollution, public health hazards, and nuisances are prevented.                                | <u>X</u> |          |   |
| 12. Wastes are not burned, except as authorized.  |          | <u>X</u> |   |
| 13. Fire control and prevention measures are in place.  | <u>X</u> |          |   |
| 14. Fuel storage and dispensing areas free of spills.   | <u>X</u> |          |   |
| 15. Fuel spills, if any, are cleaned up immediately.  | <u>X</u> |          |   |
| 16. Dispersion of dust is controlled.   | <u>X</u> |          |   |
| 17. Dust control agents other than water are not used without written approval from MDE.          | <u>X</u> |          |   |
| 18. Blowing litter is controlled.   | <u>X</u> |          |   |

#### STANDARD CONDITIONS

- |  | Y        | N/A      | N |
|--|----------|----------|---|
| 19. For new facilities or new construction, a construction schedule is submitted to MDE within 3 months of permit issuance.  |          | <u>X</u> |   |
| 20. No material modification to the facility or operating plans has been made without written approval.  | <u>X</u> |          |   |
| 21. Records of required monitoring activities and results are kept for 5 years in an approved place.   | <u>X</u> |          |   |
| 22. Any required pollution control systems, including sediment and stormwater basins, are installed and maintained in accordance with approved plans and applicable regulations. | <u>X</u> |          |   |
| 23. Sediment and stormwater basins are cleaned out when required.  | <u>X</u> |          |   |
| 24. Any required monitoring wells or other pollution monitoring devices are installed and maintained in accordance with approved plans and regulations.                          | <u>X</u> |          |   |
| 25. Leachate is not discharged, except to sanitary sewer lines, without authorization from MDE.  | <u>X</u> |          |   |
| 26. If any point source discharge of pollutants exists, it is permitted.   | <u>X</u> |          |   |
| 27. Any pollutants from the handling of wastes or spills are collected and disposed of properly.   | <u>X</u> |          |   |
| 28. Upon permanent cessation of operations, facility is closed in a manner that prevents erosion, health and safety hazards, nuisances, and pollution.                           |          | <u>X</u> |   |
| 29. Upon permanent closure, all solid wastes not properly disposed of are transferred to a permitted facility for proper disposal.   |          | <u>X</u> |   |

(See other checklist and Report of Observations also)

Items continuing in noncompliance from previous inspection: \_\_\_\_\_

Items corrected since previous inspection: \_\_\_\_\_ Compliance assistance items: \_\_\_\_\_

Comments: \_\_\_\_\_

INSPECTOR	PERMITTEE'S REPRESENTATIVE
NAME <u>James P. Wagner</u>	NAME _____
TITLE <u>Regional Inspector</u> PHONE <u>(410) 537-3315</u>	TITLE _____ PHONE _____
SIGNATURE <u>James P. Wagner</u>	SIGNATURE _____

Form Number MDE/WAS/COM.008

Revision Date 1/17/03

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## Solid Waste Program-Land Management Administration Report of Observations

Case # \_\_\_\_\_

2003-WMF-0582

Type of Inspection/Observations: \_\_\_\_\_ (SW): Solid Waste- Landfill Inspection \_\_\_\_\_

Date Mon. 10/31/11

Site/Facility Name: \_\_\_\_\_ Site B Municipal Landfill (LF) Vertical Expansion \_\_\_\_\_

Time In: 10:20 AM

Location: \_\_\_\_\_ 9031 Reichs Ford Road; Frederick 21704 (Frederick County)

Time Out: 2:32 PM

Remarks: (Background): My last visit to the landfill was 9/16/11. I'm back today for a full inspection.

Observations & Actions: [See the checklists also] This morning, I conducted an off-site odor survey at several locations, mostly E of the main entrance on Reichs Ford Road. (Weather today is ~40°, clear, with occasional wind to the N and NE.) No LF-derived odors were detected.

The landfill was in good compliance today. The only problem found was a leachate seep on Cell 3, which I pointed out to Landfill Operations Supervisor Bryan Stitely. This seep is near the entrance to the Cell, east of the former NE-SW access road into the Cell. Its origin is on a slope in this location, and black leachate is running in a NE direction to a location about 50 feet from the perimeter of the cell. The seep is currently contained within the liner/leachate collection system. However, I would like the landfill to attempt a repair on this seep within 10 days (by November 10, 2011).

There has been a lot of precipitation lately, and many Cell 3 internal leachate seeps were observed. The landfill has constructed an ~6ft x 4ft French Drain at the entrance to the former access road to collect and divert storm water that may be contaminated with leachate from some of these seeps. Storm water was observed to be flowing as desired into the gravel that comprises the French Drain. Several internal seeps have been flagged by the LF along the former access road (further SW), and I pointed out several more (that were unflagged) to Bryan. In the mid-cell area, I observed a moderate sized internal seep that I mentioned to Bryan. All of these cell-internal seeps should be watched. Since the French Drain appears to be working as desired to catch any runoff that might otherwise make it to the peripheral storm water channel, and since the other seeps noted are well within the liner/leachate collection system, no immediate action, other than keeping an eye on the seeps, is needed at this time. If these internal seeps do not dry up with drier weather, further action may be needed.

I asked Bryan about the large mound of black colored material stockpiled not far from the current working face. He said this is Water Treatment Plant sediment and that it is mixed with soil, and the mixture is used as daily cover. I asked Bryan if he could find the letter from MDE approving this material as an ADCM (Alternative Daily Cover Material). He said he would look for it.

(11/2/11) Back at the LF today to finish this report, Superintendent Phil Harris gave me a copy of a letter dated August 30, 2011 from Martha Hynson of MDE to Mark Schweitzer of Frederick County authorizing the use of water treatment residuals from the Frederick County New Design Road Water Treatment Plant as an ADCM at the landfill. The landfill is approved for use of this material at a 50/50 ratio with soil. The material should not contain free liquids as measured by standard tests. The material may be stored within the lined footprint of the landfill at two locations B and C, described in their letter of request. The landfill appears to be complying with the authorized details for use of this material.

Observer: James P. Wagner

Person Interviewed: [Signature]

